

|                               |                              |                      |
|-------------------------------|------------------------------|----------------------|
| <b>Notice of Allowability</b> | Application No.              | Applicant(s)         |
|                               | 10/014,476                   | RYZHOV, ALEKSANDR O. |
|                               | Examiner<br>Mary J. Steelman | Art Unit<br>2191     |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTO-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1.  This communication is responsive to 12/23/2004.
2.  The allowed claim(s) is/are 1-7, 10-20.
3.  The drawings filed on 23 December 2004 are accepted by the Examiner.
4.  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a)  All
  - b)  Some\*    c)  None    of the:
    1.  Certified copies of the priority documents have been received.
    2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3.  Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5.  A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6.  CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a)  including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1)  hereto or 2)  to Paper No./Mail Date \_\_\_\_\_.
  - (b)  including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying Indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7.  DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

#### Attachment(s)

1.  Notice of References Cited (PTO-892)
2.  Notice of Draftsperson's Patent Drawing Review (PTO-948)
3.  Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_.
4.  Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5.  Notice of Informal Patent Application (PTO-152)
6.  Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_.
7.  Examiner's Amendment/Comment
8.  Examiner's Statement of Reasons for Allowance
9.  Other \_\_\_\_\_.

### **DETAILED ACTION**

1. This Office Action is in response to Amendment and Remarks received 23 December 2004. Per Applicant's request claims 8 and 9 are cancelled. Claims 1, 4, 5, 6, 10, 13, 17, and 20 are amended. Claims 1-7 & 10-20 are pending. The drawings and Specification have been amended.

#### *Drawings*

2. In view of amendments and remarks, prior objections to drawings are hereby withdrawn.

#### *Specification*

3. In view of the amendments to the Specification, the prior objections are hereby withdrawn.

#### *Claim Rejections - 35 USC § 112*

4. In view of the amendments to claims 1, 5, 6, 13, 17, and 20, the prior 35 USC 112 2<sup>nd</sup> paragraph rejections are hereby withdrawn.

### **EXAMINER'S AMENDMENT**

5. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Kelly T. Lee, Reg. No. 47,743 on 4/26/2005.

The application has been amended as follows:

Claim 1 and 17 are amended to add two limitations:

IN THE CLAIMS:

1. (currently amended): A method for localization of computer software application, comprising:
  - locating a plurality of localizable variables of a class using a custom class loader;
  - finding a corresponding resource file for a current language for each localizable variable by searching variables with predefined prefix;
  - calculating a key for each localizable variable by deleting the prefix and combining a class name and a variable name;
  - finding a localized string in the resource file corresponding to each key; and
  - assigning the localized string to the corresponding localizable variable of the class, wherein the custom class loader provides localization of the class during class loading;

the use of a reflection application programming interface (API) capable of obtaining descriptors of variables of the class; and

the use of a launcher capable of creating an instance of the custom class loader and running an application startup class using the reflection API.

17. A computer readable medium providing instructions for localization of a computer software application, the instructions comprising:

locating a plurality of localizable variables of a class using a custom class loader;  
finding a corresponding resource file for a current language for each localizable variable  
by searching variables with predefined prefix;  
calculating a key for each localizable variable by deleting the prefix and combining a  
class name and a variable name;  
finding a localized string in the resource file corresponding to each key; and  
assigning the localized string to the corresponding localizable variable of the class,  
wherein the custom class loader provides localization of the class during class  
loading;  
a reflection application programming interface (API) capable of obtaining descriptors of  
variables of the class; and  
a launcher capable of creating an instance of the custom class loader and running an  
application startup class using the reflection API.

IN THE CLAIMS:

1. (currently amended): A method for localization of computer software application, comprising:
  - locating a plurality of localizable variables of a class using a custom class loader;
  - finding a corresponding resource file for a current language for each localizable variable by searching variables with predefined prefix;
  - calculating a key for each localizable variable by deleting the prefix and combining a class name and a variable name;
  - finding a localized string in the resource file corresponding to each key; and
  - assigning the localized string to the corresponding localizable variable of the class, wherein the custom class loader provides localization of the class during class loading;
  - the use of a reflection application programming interface (API) capable of obtaining descriptors of variables of the class; and
  - the use of a launcher capable of creating an instance of the custom class loader and running an application startup class using the reflection API.
17. A computer readable medium providing instructions for localization of a computer software application, the instructions comprising:

locating a plurality of localizable variables of a class using a custom class loader;

finding a corresponding resource file for a current language for each localizable variable by searching variables with predefined prefix;

calculating a key for each localizable variable by deleting the prefix and combining a class name and a variable name;

finding a localized string in the resource file corresponding to each key; and

assigning the localized string to the corresponding localizable variable of the class,

wherein the custom class loader provides localization of the class during class loading;

a reflection application programming interface (API) capable of obtaining descriptors of variables of the class; and

a launcher capable of creating an instance of the custom class loader and running an application startup class using the reflection API.

6. The following is an examiner's statement of reasons for allowance:

As Applicant has pointed out on page 14, last 2 lines through page 15, line 3, "...Bell and Mueller, individually and in combination, do not disclose or suggest "finding a corresponding resource file for a current language for each localizable variable by searching variables with predefined prefix; calculating a key for each localizable variable by deleting the prefix and combining a class name and a variable name...", as recited in independent claims 1, 5, and 17. Thus all dependent claims, claims 2-4, 6, 7, 10-16, and 18-20 are allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

***Conclusion***

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mary Steelman, whose telephone number is (571) 272-3704. The examiner can normally be reached Monday through Thursday, from 7:00 AM to 5:30 PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tuan

Q. Dam can be reached at (571) 272-3695. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Any inquiry of a general nature or relating to the status of this application should be directed to the TC 2100 Group receptionist: 571-272-2100.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Mary Steelman



04/27/2005



WEI Y. ZHEN  
PRIMARY EXAMINER



Accepted by Examiner MS 04-26-05

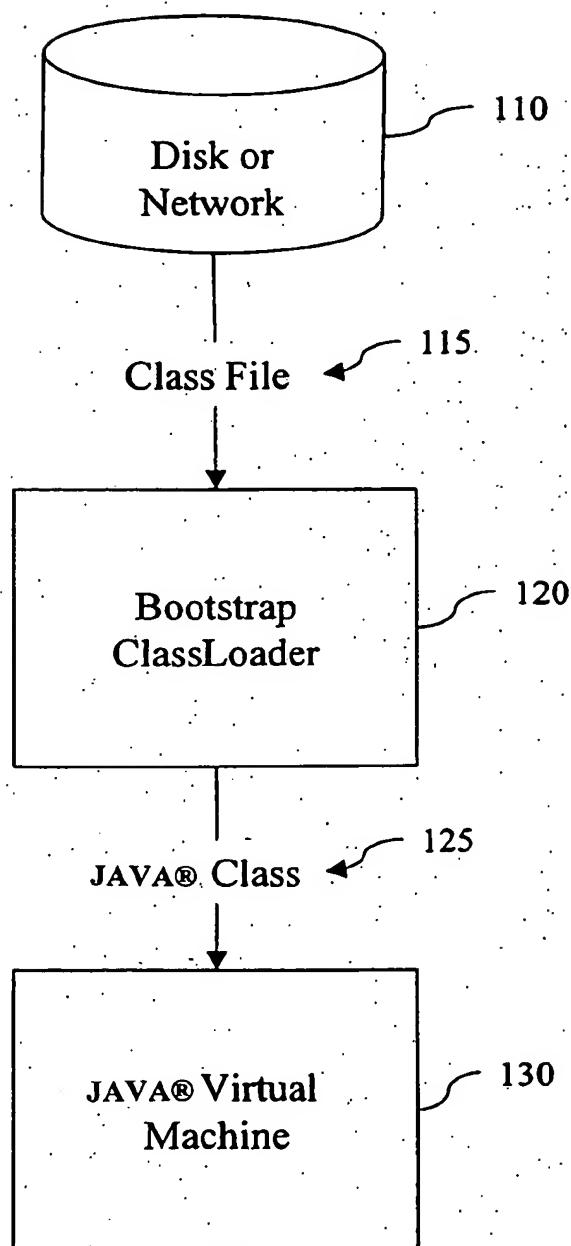


Fig. 1

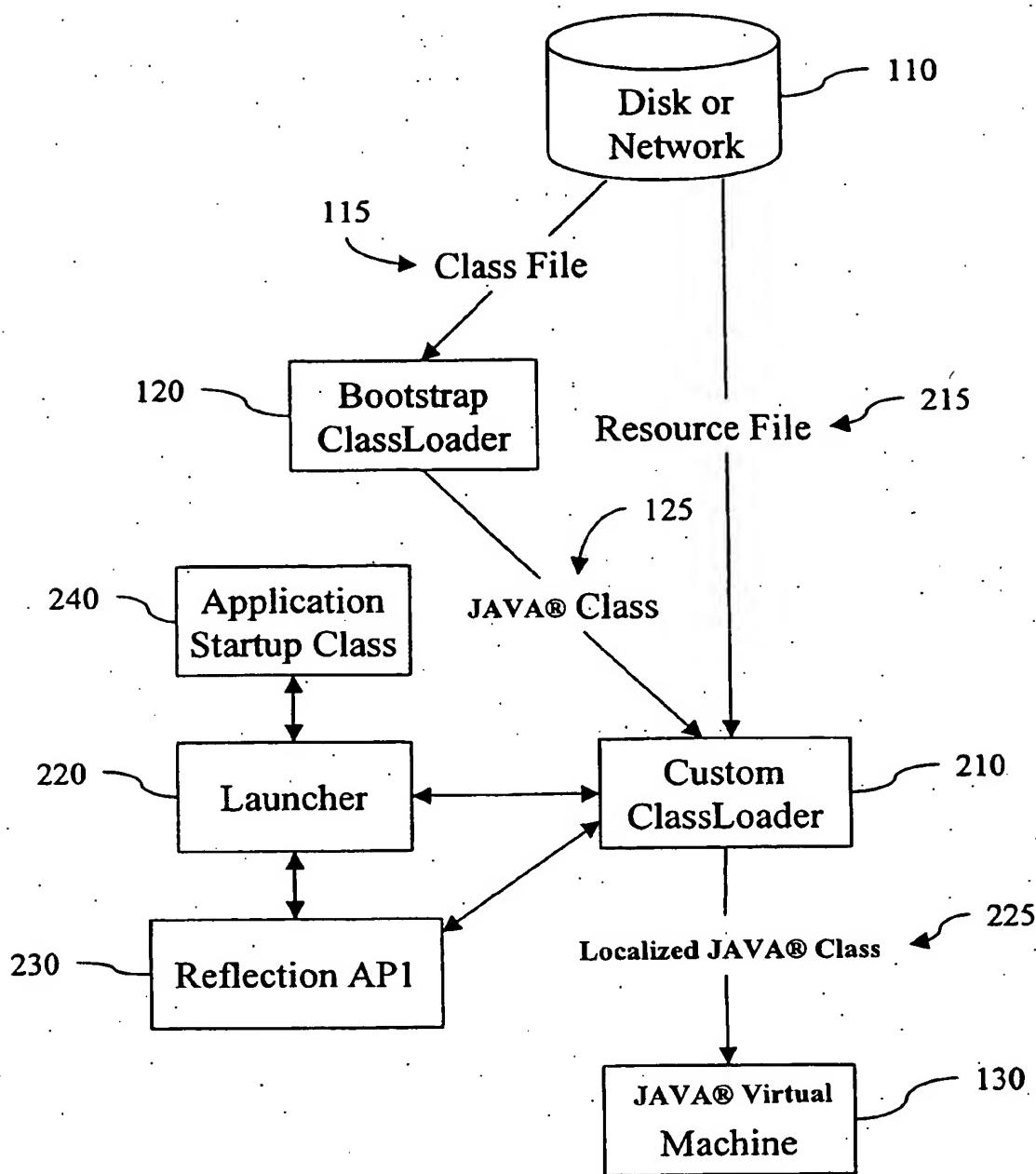


Fig. 2